

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 1997

Application or Docket Number

9/045732

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY
TYPE

OTHER THAN
SMALL ENTITY

| FOR | NUMBER FILED | NUMBER EXTRA |
|----------------------------------|--------------|-----------------------|
| BASIC FEE | | |
| TOTAL CLAIMS | <i>22</i> | minus 20 = * <i>2</i> |
| INDEPENDENT CLAIMS | <i>13</i> | minus 3 = * <i>10</i> |
| MULTIPLE DEPENDENT CLAIM PRESENT | | <i>Y</i> |

| RATE | FEES | RATE | FEES |
|--------|---------------|--------|----------------|
| | 395.00 | | 790.00 |
| x\$11= | | x\$22= | <i>44.00</i> |
| x41= | | x82= | <i>820.00</i> |
| +135= | | +270= | <i>270.00</i> |
| TOTAL | | TOTAL | <i>1924.00</i> |

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OTHER THAN
SMALL ENTITY

| AMENDMENT A | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | PRESENT EXTRA |
|--|---|---|---------------|------------|------------------|
| | | | | | |
| Total | * <i>25</i> | Minus | ** <i>22</i> | = <i>3</i> | |
| Independent | * <i>14</i> | Minus | *** <i>13</i> | = <i>0</i> | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | | |

| RATE | ADDI- TIONAL FEE | RATE | ADDI- TIONAL FEE |
|--------------------|------------------------|--------------------|------------------------|
| x\$11= | | x\$22= | <i>54</i> |
| x41= | | x82= | |
| +135= | | +270= | |
| TOTAL ADDT. FEE | | TOTAL ADDT. FEE | |

| AMENDMENT B | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | PRESENT EXTRA |
|--|---|---|-----|---|------------------|
| | | | | | |
| Total | * | Minus | ** | = | |
| Independent | * | Minus | *** | = | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | | |

| RATE | ADDI- TIONAL FEE | RATE | ADDI- TIONAL FEE |
|--------------------|------------------------|--------------------|------------------------|
| x\$11= | | x\$22= | |
| x41= | | x82= | |
| +135= | | +270= | |
| TOTAL ADDT. FEE | | TOTAL ADDT. FEE | |

| AMENDMENT C | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | | | PRESENT EXTRA |
|--|---|---|-----|---|------------------|
| | | | | | |
| Total | * | Minus | ** | = | |
| Independent | * | Minus | *** | = | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | | |

| RATE | ADDI- TIONAL FEE | RATE | ADDI- TIONAL FEE |
|--------------------|------------------------|--------------------|------------------------|
| x\$11= | | x\$22= | |
| x41= | | x82= | |
| +135= | | +270= | |
| TOTAL ADDT. FEE | | TOTAL ADDT. FEE | |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD

Effective November 10, 1998

Application or Docket Number

09/045,732

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

| FOR | NUMBER FILED | NUMBER EXTRA |
|----------------------------------|-----------------|--------------|
| BASIC FEE | | |
| TOTAL CLAIMS | 22 minus 20 = * | 2 |
| INDEPENDENT CLAIMS | 13 minus 3 = * | 10 |
| MULTIPLE DEPENDENT CLAIM PRESENT | | ✓ |

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

| AMENDMENT A | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|---|-------|---|------------------|
| | Total | * | Minus | ** |
| Independent | * | Minus | *** | = |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | |

SMALL ENTITY
TYPE

OTHER THAN
OR SMALL ENTITY

| RATE | FEES | RATE | FEES |
|--------|--------|--------|--------|
| | 380.00 | 690 | 760.00 |
| X\$ 9= | | X\$18= | 36 |
| X39= | | X78= | 780 |
| +130= | | +260= | 260 |
| TOTAL | | TOTAL | |

SMALL ENTITY

OTHER THAN
OR SMALL ENTITY

| RATE | ADDI- TIONAL FEE | RATE | ADDI- TIONAL FEE |
|------------------|------------------------|------------------|------------------------|
| X\$ 9= | | X\$18= | |
| X39= | | X78= | |
| +130= | | +260= | |
| TOTAL ADDIT. FEE | | TOTAL ADDIT. FEE | |

| AMENDMENT B | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|---|-------|---|------------------|
| | Total | * | Minus | ** |
| Independent | * | Minus | *** | = |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | |

| RATE | ADDI- TIONAL FEE | RATE | ADDI- TIONAL FEE |
|------------------|------------------------|------------------|------------------------|
| X\$ 9= | | X\$18= | |
| X39= | | X78= | |
| +130= | | +260= | |
| TOTAL ADDIT. FEE | | TOTAL ADDIT. FEE | |

| AMENDMENT C | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|---|-------|---|------------------|
| | Total | * | Minus | ** |
| Independent | * | Minus | *** | = |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | |

| RATE | ADDI- TIONAL FEE | RATE | ADDI- TIONAL FEE |
|------------------|------------------------|------------------|------------------------|
| X\$ 9= | | X\$18= | |
| X39= | | X78= | |
| +130= | | +260= | |
| TOTAL ADDIT. FEE | | TOTAL ADDIT. FEE | |

- * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD

Effective December 29, 1999

Application or Docket Number

89/0459732

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY
TYPE

OTHER THAN
OR SMALL ENTITY

| FOR | NUMBER FILED | NUMBER EXTRA |
|----------------------------------|---------------|--------------|
| BASIC FEE | | |
| TOTAL CLAIMS | 19 minus 20 = | 0 |
| INDEPENDENT CLAIMS | 13 minus 3 = | 10 |
| MULTIPLE DEPENDENT CLAIM PRESENT | | |

* If the difference in column 1 is less than zero, enter "0" in column 2.

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OTHER THAN
OR SMALL ENTITY

| AMENDMENT A | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|----------------------------------|------------------------------------|---------------|
| Total | * | Minus | ** |
| Independent | * | Minus | *** |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

| AMENDMENT B | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|----------------------------------|------------------------------------|---------------|
| Total | * | Minus | ** |
| Independent | * | Minus | *** |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

| AMENDMENT C | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|----------------------------------|------------------------------------|---------------|
| Total | * | Minus | ** |
| Independent | * | Minus | *** |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

| RATE | FEES |
|--------|--------|
| | 345.00 |
| X\$ 9= | |
| X39= | |
| +130= | |
| TOTAL | |

| RATE | FEES |
|--------|--------|
| | 690.00 |
| X\$18= | |
| X78= | 690.00 |
| +260= | |
| TOTAL | 1750 |

| RATE | ADDITIONAL FEE |
|------------------|----------------|
| X\$ 9= | |
| X39= | |
| +130= | |
| TOTAL ADDIT. FEE | |

| RATE | ADDITIONAL FEE |
|------------------|----------------|
| X\$18= | |
| X78= | |
| +260= | |
| TOTAL ADDIT. FEE | |

| RATE | ADDITIONAL FEE |
|------------------|----------------|
| X\$ 9= | |
| X39= | |
| +130= | |
| TOTAL ADDIT. FEE | |

| RATE | ADDITIONAL FEE |
|------------------|----------------|
| X\$18= | |
| X78= | |
| +260= | |
| TOTAL ADDIT. FEE | |

| RATE | ADDITIONAL FEE |
|------------------|----------------|
| X\$ 9= | |
| X39= | |
| +130= | |
| TOTAL ADDIT. FEE | |

| RATE | ADDITIONAL FEE |
|------------------|----------------|
| X\$18= | |
| X78= | |
| +260= | |
| TOTAL ADDIT. FEE | |

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** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY OF COMMERCE AND
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

NOTICE OF FILING/CLAIM FEE(S) DUE
TO ENSURE PROPER CREDIT OF FEES, PLEASE RETURN A COPY OF THIS
FEE CALCULATION SHEET WITH YOUR RESPONSE.

APPLICATION NUMBER: 09/045732

Total Fee Calculation

| Fee Code | Total # Claims | Number Extra | X | Fee | Fee = | Total |
|--------------------------|----------------|----------------------|--------------|-----------|-------|---------------|
| Basic Filing Fee | <u>201/101</u> | | | | | |
| Total Claims >20 | <u>203/103</u> | <u>22</u> | <u>-20 =</u> | <u>2</u> | x | <u>22.00</u> |
| Independent Claims >3 | <u>207/102</u> | <u>13</u> | <u>-3 =</u> | <u>10</u> | x | <u>82.00</u> |
| Mult. Dep. Claim Present | <u>204/104</u> | | | | | <u>210.00</u> |
| Surcharge | <u>205/105</u> | unsigned declaration | | | | <u>130.00</u> |
| English Translation | <u>139</u> | | | | | |

TOTAL FEE CALCULATION

2,054.00

Fees due upon filing the application:

Total Filing Fees Due = \$ 2,054.00

Less Filing Fees Submitted - \$ 0

BALANCE DUE = \$ 2,054.00

J. L. Disenberry
Office of Initial Patent Examination